NORTH SOUTH UNIVERSITY
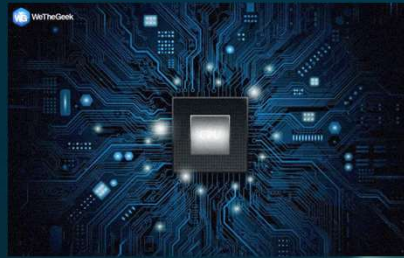
PC COMPONENTS E-COMMERCE SITE

GROUP MEMBERS :

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PROJECT PROPOSAL & REQUIREMENT ANALYSIS
CSE311 SEC:7
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GitHub Repository: https://github.com/theKhan22/PC-Components-Site

A BASIC OVERVIEW INTO THE PROJECT.

DESCRIPTION

PC COMPONENTS E-COMMERCE SITE

FOR THIS PROJECT I AM GOING TO CREATE A PC COMPONENTS E-COMMERCE SITE. THIS SITE WILL CONSIST OF A USER SIDE AND AN ADMIN SIDE. THE ADMIN SIDE WILL DEAL WITH THE MANAGEMENT SECTION OF THE WEBSITE. THE ADMIN UI WILL CONSIST OF VARIOUS FUNCTIONALITIES INTEGRAL TO THE MANAGEMENT OF AN E-COMMERCE SITE. ON THE OTHER HAND, THE USER SIDE WILL STRICTLY FOCUS ON PROVIDING A EASY AND EFFICIENT WAY OF ONLINE SHOPPING TO PC ENTHUSIASTS. FOR IMPLEMENTATION I AM GOING TO USE THE FOLLOWING TECHNOLOGIES:

TECHNOLOGIES TO BE USED:

BACK END :

MYSQL DBMS WILL BE USED FOR MAINTAINING THE DATABSE OF THE SITE

PHP IS USED AS THE SERVER SIDE SCRIPTING LANGUAGE

PC COMPONENTS E-COMMERCE SITE

FRONT END :

JAVASCRIPT

HTML

BOOTSTRAP

This section will help you to understand
the significance of this project

Requirement Analysis and Feature Description

PC COMPONENTS E-COMMERCE SITE

For my project I am going to design an 'E-Commerce Site'. To be more specific it is going to be a site which will sell pc components exclusively. Most websites which sell tech gear, aren't really specialized to serve the pc enthusiasts community. So, my main focus will be to make the site well suited for the pc building community and also make sure the admin side provides sufficient features for the owner.

The site will consist of various important features such filtering results, maintaining a history of the orders and many more. The users will get to enjoy a feature called build a pc, which will allow them to build a virtual pc in the site. This feature will make the user experience of the site much more professional and efficient. Other than this, various other factors will be provided. The user will be able keep track of his/her ordered products and also sort them using the price. I believe this feature will help the user to properly monitors his/her orders and make necessary changes. A categorized view will be provided, where the user will be able to browse a certain type of pc component, which will make navigation through the site much easier and understandable.

The admin side will also consist of various important features to maximize the efficiency and run the business smoothly. One important feature is , the admin will be able to view the current orders and it's relevant information. Having a proper knowledge about the current sales is an integral part of every successful business. Some advance sorting methods will be used to filter out products. One of which will be to sort the inventory in the order of quantity. This feature will enable the admin to keep track of their inventory and restock accordingly. The admin will be able to see the current list of registered users along with their relevant information. I plan on adding a private message feature which will enable the admin to directly deal with the concerns of the users.

This site will be built for serving the pc building community and provide them with an easy and efficient UI to make the user experience as convenient as possible.

Home Page

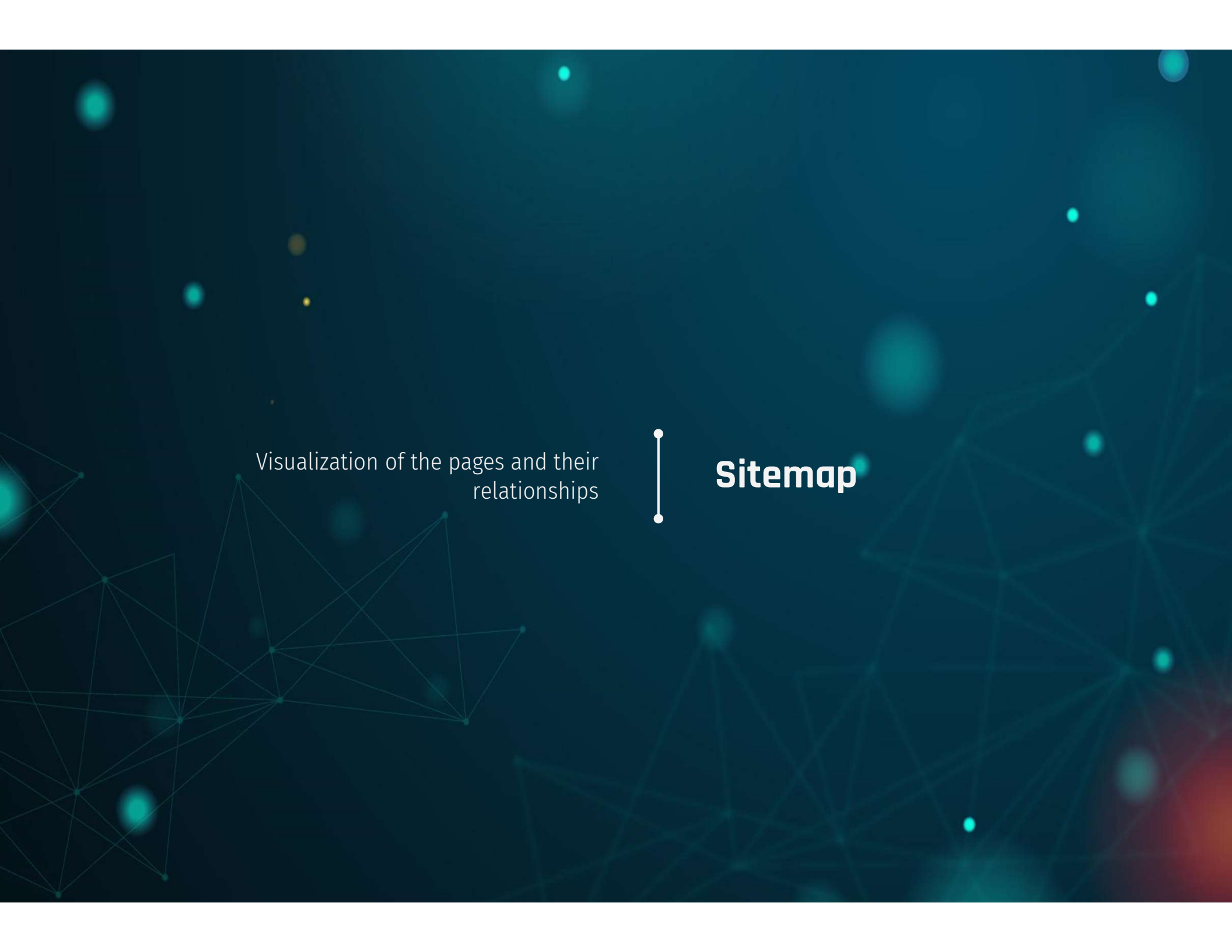|	
NAVIGATION BAR:	SEARCH : USING THIS TEXT BOX A USER CAN SEARCH FOR A PARTICULAR PRODUCT FROM THE SITE
	PRODUCTS : USED TO VIEW ALL OF THE PRODUCTS
	LOGIN : THIS OPTION WILL BE USED BY ADMIN/USER TO LOGIN INTO HIS/HER ACCOUNT
PRODUCT DISPLAY:	THIS WILL BE A DIV ELEMENT,INSIDE WHICH SOME OF THE PRODUCTS WILL BE DISPLAYED
	ADD TO CART: USED TO ADD PRODUCTS TO A VIRTUAL SHOPPING CART,FROM WHICH LATER USERS WILL BE ABLE TO VIEW ALL PURCHASED PRODUCTS
CATEGORIES BAR:	THIS PANEL WILL FILTER OUT RESULTS ACCORDING TO THE USER'S PREFERENCE
CONTACT INFORMATION:	THIS WILL CONTAIN GENERAL CONTACT INFORMATION ABOUT THE COMPANY. CAN BE USED TO SEND EMAILS DIRECTLY TO THE COMPANY.

USER DASHBOARD

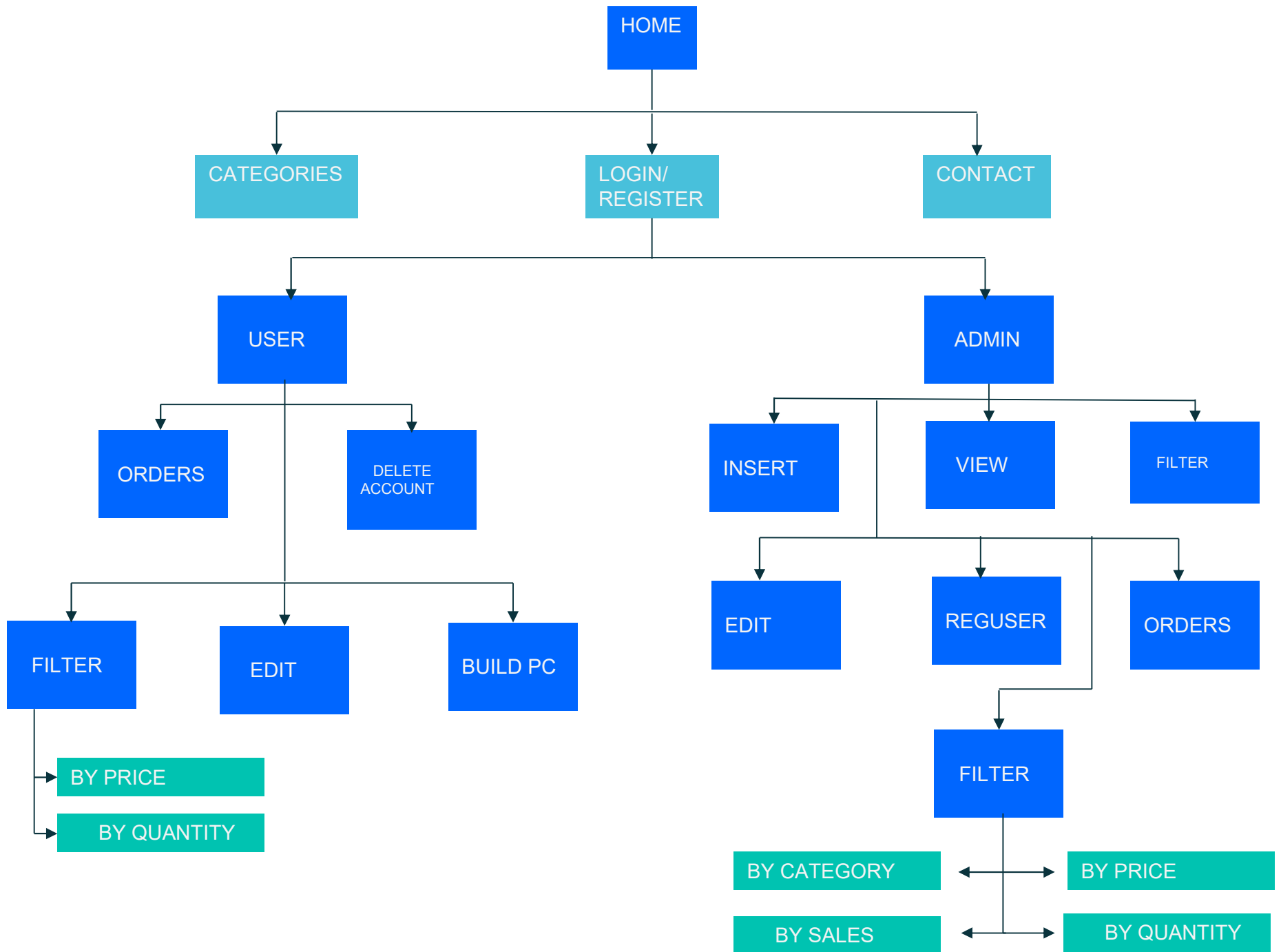| MY ORDERS:	THIS WILL DISPLAY ALL OF THE ORDERED PRODUCTS OF THE INDIVIDUAL USER
	SORT ORDERS: USING THIS OPTION USER WILL BE ABLE TO SORT HIS/HER ORDERS ACCORDING TO PRICE/QUANTITY
	VIEW SHIPMENT STATUS: KNOW ABOUT THE CURRENT SITUATION OF THE ORDER
EDIT ACCOUNT:	WILL BE USED TO MAKE NECESSARY CHANGES OF THE INFORMATION ABOUT THE USER
DELETE ACCOUNT:	THIS WILL TERMINATE THE CURRENT USERS ACCOUNT
FILTER:	**SORT BY PRICE**: WILL ARRANGE THE PRODUCTS IN ASCENDING/DESCENDING ORDER OF PRICE
	SORT BY CATEGORY: ONLY DISPLAY THE PRODUCTS OF A CERTAIN CATEGORY
BUILD PC:	THIS OPTION WILL NAVIGATE THE USER TO A NEW PAGE WITH AN UNIQUE UI,WHICH CAN BE USED TO BUILD A PC BY SELECTING THE DIFFERENT COMPONENTS WHICH ARE AVAILABLE IN THE SHOP

ADMIN DASHBOARD

INSERT PRODUCTS:	THIS WILL BE USED TO ADD NEW PRODUCTS TO THE SITE
VIEW PRODUCTS:	THIS CAN BE USED TO SEE THE CURRENT INVENTORY
FILTER:	**SORT BY PRICE**: WILL ARRANGE THE PRODUCTS IN ASCENDING/DESCENDING ORDER OF PRICE
	SORT BY CATEGORY: ONLY DISPLAY THE PRODUCTS OF A CERTAIN CATEGORY
	SORT BY QUANTITY: WILL ARRANGE THE PRODUCTS IN ASCENDING/DESCENDING ORDER OF PRICE
	SORT BY SALES: WILL ARRANGE THE PRODUCTS IN ORDER OF WHICH HAVE THE SOLD THE MOST TO THE LEAST SOLD
PLACED ORDERS:	DISPLAYS THE LIST OF PENDING ORDERS
REGISTERED USERS:	SHOWS ALL OF THE CURRENT USERS REGISTERED ON THE SITE
EDIT ACCOUNT:	EDIT INFORMATION ABOUT THE ADMIN ACCOUNT

Visualization of the pages and their relationships

Sitemap

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                                    HOME

        CATEGORIES              LOGIN/                CONTACT
                               REGISTER

              USER                              ADMIN

     ORDERS        DELETE              INSERT      VIEW      FILTER
                   ACCOUNT

                                              EDIT    REGUSER    ORDERS

  FILTER    EDIT    BUILD PC

                                                        FILTER

  BY PRICE

  BY QUANTITY                         BY CATEGORY  ←→  BY PRICE

                                      BY SALES     ←→  BY QUANTITY
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A tentative timeline of the project | **Gantt Chart**

GANTT CHART

PC COMPONENT SITE

TASK	27 OCT - 31 OCT	1 NOV - 7 NOV	7 NOV- 30 NOV	1 DEC-10 DEC	11 DEC
BRAINSTORMING	▬				
RESEARCH AND SKILL GAIN		▬			
CODING			▬		
DEBUG & MODIFY				▬	
COMPLETION					▬